

CLAIMS

1. A device for locking the configuration of equipment, such as a seat (2), having a support (4) and a moving part (6), the device comprising:
- at least three elements (42, 48) movable with respect to each other and connected respectively to the support (4) and to the moving part (6) with spatial alternation;
 - means (54) for clamping the elements (42, 48) to prevent a movement of the moving part with respect to the support; and
 - an unlocking member (58) to allow movement, the unlocking member being operable independently of the moving part, characterized in that the unlocking member (58) is designed to cancel the clamping provided by the clamping means (54).
2. The device according to claim 1, characterized in that it comprises a screw (12) and a nut (14) forming a reversible screw and nut assembly, one member of the screw and nut assembly being fixed with respect to rotation to at least one (42) of the elements, while the other member (14) of the screw and nut assembly is fixed with respect to rotation to the support (4).
3. The device according to claim 2, characterized in that the screw and nut assembly is interposed between the unlocking member (58) and the moving part (6) in order to transmit movements from one to the other.
4. The device according to any one of the preceding claims, characterized in that the unlocking member (58) extends in a main axis (22) of the device (24).
5. The device according to any one of the preceding claims, characterized in that it comprises a shaft (32) to which at least one (42) of the elements is fixed with respect to rotation, the unlocking member (58) extending in a cavity of the shaft, coaxially with the shaft.

6. The device according to claim 5, characterized in that the unlocking member (58) projects at an axial end of the shaft (32).
7. The device according to any one of the preceding
5 claims, characterized in that it comprises a casing (15), at least one (48) of the moving elements being fixed with respect to rotation to the casing by having a shape complementary to that of the casing.
8. The device according to any one of the preceding
10 claims, characterized in that there are at least four elements (42, 48), at least two (42) of the elements being connected to the moving part (6) and at least two other ones (48) of the elements being connected to the support (4).
- 15 9. The device according to any one of the preceding claims, characterized in that the elements (42, 48) are plates.
10. The device according to any one of the preceding claims, characterized in that it comprises means (62)
20 for returning the moving part (6), designed to push the moving part in a predetermined direction.
11. The device according to any one of the preceding claims, characterized in that the clamping means (54) comprise a spring.
- 25 12. The device according to any one of the preceding claims, characterized in that the equipment is a vehicle seat (2), particularly an aircraft seat.
13. The device according to any one of the preceding claims, characterized in that the moving part (6) is a
30 seat back.